The Board of Directors of Lower Bucks County Joint Municipal Authority (Authority) held their monthly meeting on Thursday, April 23, 2023, at the Authority's Administration Building located at 7811 New Falls Road, Levittown, Pennsylvania 19055.

Call to Order

Mr. Glasson, Chairman, called the meeting to order at 7:00 P.M., which was followed by the Pledge of Allegiance. Mr. Glasson asked everyone to take a moment to remember all those who keep us safe every day.

Roll Call

Mrs. Burnell took roll call as follows:

Present:

Joseph Glasson

James Morgan (by Telephonic)

Michael Sidoti Michele Hammar

Absent:

Bryan Servis

Cynthia Murphy

Also Present: Vijay S. Rajput, Ph.D., P.E., Managing Director

Nancy Burnell, Meter Department Supervisor

Bryce McGuigan, Esquire

Public Participation

Mr. Nye, a resident of the Indian Creek Section of Levittown and a member of the EAC in Bristol Township, asked Mr. McGuigan if in the future the docket numbers be annotated in the monthly minutes. This way, those who are interested may look up the information by using the numbers from the minutes. Mr. McGuigan said he would have the docket numbers put into the minutes.

Approval of the April's 2023 Accounts Payable

Motion: Mr. Sidoti made a motion, seconded by Mrs. Hammar, to approve April's 2023 Accounts Payable as presented to the Board of Directors.

Roll Call on the Motion

Mr. Glasson

Aye

Mr. Morgan

Aye

Mr. Sidoti

Aye

Mrs. Hammar

Aye

Motion carried unanimously.

^{**} Mr. Glasson abstained from any invoices to McIntyre Plumbing, Benjamin Franklin Plumbing & Glasson Enterprises.

Approval of the March's 2023 Board Meeting Minutes

Motion: Mr. Sidoti made a motion, seconded by Mrs. Hammar to approve the March 27, 2023, Board Meeting minutes as presented to the Board of Directors.

Roll Call on the Motion

Mr. Glasson Aye
Mr. Morgan Aye
Mr. Sidoti Aye
Mrs. Hammar Aye
Motion carried unanimously.

MANAGING DIRECTOR'S REPORT

CONTRACT #WTP-451: PAINTING OF EXTERIOR OF HIGHLAND PARK STORAGE TANK UNDER COSTARS CONTRACT #016-E22-265, (CAPITAL IMPROVEMENT PROJECT)

Dr. Rajput stated that as a part of our infrastructure maintenance project, the 3MG Highland Park potable water storage tank, originally constructed and painted approximately 20 years ago, requires re-painting. In this regard, proposals were received from J.P. Smith Contractors, located at 253 South York Road, Hatboro, PA., Inc. in the amount of \$87,000.00 under their COSTARS Contract #016-E22-265 and Harbour Painting, Inc. located at 140 lvy Lane, Suite 100, King of Prussia, PA., in the amount of \$97,800.00 under their COSTARS Contract #008-E23-1042. Based on our review of the proposals, we would like to recommend to the Board for its consideration to award Contract No. WTP-451: Painting of exterior of 3.00MG Highland Park storage tank for a total amount of \$87,000.00 to J.P. Smith Contractors, Inc. under COSTARS Contract #016-E22-265. J.P. Smith Contractors, Inc. will provide a three (3) year warranty for the painting/coating.

Motion: Mr. Sidoti made a motion, seconded by Mrs. Hammar, to award Contract No. WTP-451 for Painting of exterior of 3.00MG Highland Park storage tank for a total amount of \$87,000.00 to J.P. Smith Contractors, Inc. under COSTARS Contract #016-E22-265.

Roll Call on the Motion

CONTRACT NO. WTP-452: PURCHASE OF ONE (1) RODNEY HUNT SLUICE GATE WITH ROTORK ACTUATOR FOR THE INSTALLATION IN THE FILTER TROUGH/INFLUENT CHANNEL FROM EDWIN ELLIOT & CO. (UNDER COSTARS CONTRACT #016-E23-297), WATER TREATMENT PLANT (CAPITAL IMPROVEMENT PROJECT)

Dr. Rajput stated this project involves purchasing one (1) Rodney Hunt stainless steel sluice gate with Rotork electrical actuator (47"X84" size) for the installation in the filter influent channel. A proposal has been received for the purchase of the above sluice gate and actuator from Edwin Elliot & Co., Lafayette Hills, PA under COSTARS Contract #016-E23-297 for a total quoted cost of \$28,245.00. This sluice gate is AWWA C561 compliant. Therefore, we would like to request the Boards consideration for the approval of purchasing one Rodney Hunt sluice gate with Rotork electrical actuator with a total quoted cost of \$28,245.00 from Edwin Elliot & Co., Lafayette Hills, PA. under COSTARS Contract #016-E23-297.

<u>Motion:</u> Mr. Sidoti made a motion, seconded by Mrs. Hammar to approve the purchase of one Rodney Hunt sluice gate with Rotork electrical actuator with a total quoted cost of \$28,245.00 from Edwin Elliot & Co., under COSTARS Contract #016-E23-297.

Roll Call on the Motion

Mr. Glasson Aye
Mr. Morgan Aye
Mr. Sidoti Aye
Mrs. Hammar Aye
Motion carried unanimously.

CONTRACT NO. WWTP-453: PURCHASE OF ONE (1) LIQUID POLYMER FEED SYSTEM TO SERVE AS A BACKUP RETROFIT TO THE LIQUID POLYMER FEED SYSTEM FOR THE SLUDGE DEWATERING CENTRIFUGE UNDER COSTARS CONTRACT #388549, WASTEWATER TREATMENT PLANT (CAPITAL IMPROVEMENT PROJECT)

Dr. Rajput stated this project involves a backup spare retrofit replacement of the liquid polymer feed system for the sludge dewatering centrifuge at the Wastewater Treatment Plant. There is an approximate 6–8-week lead time for this system. In this regard, a quotation was received from Sherwood Logan &Associates Inc., an authorized supplier, to furnish and deliver one complete VeloDyne VeloBlend Model VM-15P-3000-RpX-1-A-2 for a total quoted amount is \$46,047.00 under their COSTARS Contract #388549. Therefore, we would like to request the Boards consideration for the approval of purchasing one complete VeloDyne VeloBlend Model VM-15P-3000-RpX-1-A-2 as a retrofit to the liquid polymer feed system with a total quoted amount of \$46,047.00 from Sherwood Logan and Associates, Inc. under COSTARS Contract #388549.

Motion: Mr. Sidoti made a motion, seconded by Mrs. Hammar for the approval of purchasing one complete VeloDyne VeloBlend Model VM-15P-3000-RpX-1-A-2 as a retrofit to the liquid polymer feed system for the sludge dewatering centrifuge with a total quoted amount of \$46,047.00 from Sherwood Logan and Associates, Inc. under COSTARS Contract #388549.

Roll Call on the Motion

Mr. Glasson Aye
Mr. Morgan Aye
Mr. Sidoti Aye
Mrs. Hammar Aye
Motion carried unanimously

CONTRACT NO. WWTP-454: PURCHASE OF FIVE (5) VALVES AND FIFTEEN (15) ROTORK ACTUATORS FOR THE ANAEROBIC SLUDGE DIGESTERS FROM EDWIN ELLIOT & CO. (UNDER COSTARS CONTRACT #016-E23-297), WASTEWATER TREATMENT PLANT (CAPITAL IMPROVEMENT PROJECT)

Dr. Rajput stated this project involves purchasing five (5) valves (three 4" plug valves and two 6" plug valves) for the replacement of existing valves and fifteen (15) explosion proof modulating Rotork actuators for digester #1 and digester #2. A proposal has been received for the purchase of the above stated valves and actuators from Edwin Elliot & Co., Lafayette Hills, PA. under COSTARS Contract #016-E23-297 for a total of \$101,365.00. Currently, the lead time is 16-18 weeks. Therefore, we would like to request the Boards consideration for the approval of purchasing the above stated five (5) plug valves and fifteen (15) actuators for the anaerobic sludge digesters at the Wastewater Treatment Plant with a total quoted amount of \$101,365.00 from Edwin Elliot & Co., Lafayette Hills, PA. under COSTARS Contract #016-E23-297.

Motion: Mr. Sidoti made a motion, seconded by Mrs. Hammar for the approval of purchasing the above stated five (5) plug valves and fifteen (15) actuators for the anaerobic sludge digesters at the Wastewater Treatment Plant with a total quoted amount of \$101,365.00 from Edwin Elliot & Co., under COSTARS Contract #016-E23-297.

Roll Call on the Motion

CONTRACT NO. WWTP-455: PURCHASE OF FOUR (4) SIERRA INSTRUMENTS QUADRATHERM 780I FLANGED GAS METERS FOR MEASURING BIOGAS PRODUCTION FROM THE EXISTING ANAEROBIC SLUDGE DIGESTERS AT WASTEWATER TREATMENT PLANT (UNDER COSTARS CONTRACT #176162), (CAPITAL IMPROVEMENT PROJECT)

Dr. Rajput explained that as a part of our ongoing plant operation optimization and waste reduction plan, we are continuing to investigate alternative options to burning off excess biogas produced by the digesters. Currently, there is no gas meter. In order to develop a strategy for utilization of excess biogas produced, we need to know the amount of biogas produced. In this regard, several flow meters for the biogas have been evaluated, however, due to the constraints of the pipe size, length of straight pipe etc., the best option is determined to be QuadraTherm 780i flanged gas meters manufactured by Sierra Instruments.

A proposal has been received for the purchase of four (4) of the above stated gas meters from North/East Technical Sales, Inc. under COSTARS Contract #176162 for a total quoted cost of \$36,290.00 under their COSTARS Contract. Therefore, we would like to request the Boards consideration for the approval of purchasing four (4) QuadraTherm 780i flanged gas meters manufactured by Sierra Instruments with a total quoted amount of \$36,290.00 from North/East Technical Sales, Inc., under COSTARS Contract #176162.

<u>Motion:</u> Mr. Sidoti made a motion, seconded by Mrs. Hammar for the approval of purchasing four (4) QuadraTherm 780i flanged gas meters manufactured by Sierra Instruments with a total quoted amount of \$36,290.00 from North/East Technical Sales, Inc., under COSTARS Contract #176162.

Roll Call on the Motion

Mr. Glasson Aye
Mr. Morgan Aye
Mr. Sidoti Aye
Mrs. Hammar Aye
Motion carried unanimously.

CONTRACT NO. WWTP-456: PURCHASE OF ELEVEN (11) ELECTROMAGNETIC FLOW METERS FOR INSTALLATION AT VARIOUS UNIT PROCESSES AT WASTEWATER TREATMENT PLANT (UNDER COSTARS CONTRACT #176162), (CAPITAL IMPROVEMENT PROJECT)

Dr. Rajput explained this project involves purchasing eleven (11) electromagnetic flow meters for the installation at different unit processes of the Plant. A quotation has been received for the purchase of the above stated eleven (11) electromagnetic flow meters from North/East Technical Sales, Inc. under COSTARS Contract #176162 in the amount of \$86,366.00. We would like to request the Boards consideration for the approval of purchasing eleven (11) electromagnetic flow meters manufactured by Toshiba Corporation with a total quoted amount of \$86,366.00 from North/East Technical Sales, Inc., under COSTARS Contract #176162.

Motion: Mr. Sidoti made a motion, seconded by Mrs. Hammar for the approval of purchasing eleven (11) electromagnetic flow meters manufactured by Toshiba Corporation with a total quoted amount of \$86,366.00 from North/East Technical Sales, Inc., under COSTARS Contract #176162.

Roll Call on the Motion

Mr. Glasson Aye
Mr. Morgan Aye
Mr. Sidoti Aye
Mrs. Hammar Aye
Motion carried unanimously.

PROJECT #WTP-165: FURNISH AND SUPPLY ONE DROP IN ROTATION ASSEMBLEY FOR THE REPLACEMENT OF THE PEERLESS PUMP'S ROTATING ASSEMBLEY AT THE HIGHLAND PARK PUMP STATION (UNDER COSTARS CONTRACT#267572)

Dr. Rajput's thoughts are that since the existing spare back up retrofit rotating assembly was just used, another retrofit rotating assembly should be purchased. Therefore, this project involves purchasing one peerless rotating assembly with nickel aluminum bronze impeller from Municipal Maintenance Company, an authorized supplier of peerless pumps with a total cost of \$34,950.00 under their Costars Contract #267572. Considering the long lead time, retrofit/specialized and critical nature of this rotation assembly, we would like to request the Boards consideration for the approval of purchasing one drop in rotation assembly for the replacement of the existing Peerless pump's rotating assembly at the Highland Park Pump station with a total quoted cost of \$34,950.00 from Municipal Maintenance Company.

Motion: Mr. Sidoti made a motion, seconded by Mrs. Hammar for the approval of one drop in rotation assembly for the replacement of the existing Peerless pump's rotating assembly at the Highland Park Pump Station with a total quoted cost of \$34,950.00 from Municipal Maintenance Company under COSTAR contract #267572.

Roll Call on the Motion

PROJECT #WWTP-440: TURNKEY ENGINEERING DESIGN BUILD COMPLETE SOLAR PV CANOPY SYSTEM OVER UV/CHLORINE DISINFECTION BASINS AT THE WASTEWATER TREAMENT PLANT

Dr. Rajput stated that NOVA Consultants, Inc. is in the process of finalizing structural and foundation design for the solar canopy over the UV disinfection system. Based on the geotechnical investigation and to avoid underground utility interference, canopy design changes are required including increasing the canopy by approximately 16%, from 48'x90' to 50'x100' and rotating it 90°. As a result of the rotation, the location of the foundation needs to be changed, requiring relatively deeper and wider foundations. This required an increase in the size of the canopy which will allow us to accommodate additional solar panels resulting in an estimated energy generation increase of 10% which will result in additional savings in electric costs. These required changes are expected to result in an additional estimated cost of approximately \$40,000. Therefore, we would like to recommend to the Board for its consideration to increase the existing approved contract amount of \$350,000 to \$390,000, to NOVA Consultants, Inc. to cover the required changes in canopy size, structural and foundation design and installation of additional solar panel for increased energy generation.

Motion: Mr. Sidoti made a motion, seconded by Mrs. Hammar for the approval to change the existing Contract amount of \$350,000 to \$390,000 to NOVA Consultants, Inc. to cover additional estimated costs of \$40,000 due to changes in canopy size, structural and foundation design and additional panels for increased energy generation.

Roll Call on the Motion

Mr. Glasson Aye
Mr. Morgan Aye
Mr. Sidoti Aye
Mrs. Hammar Aye
Motion carried unanimously.

Dr. Rajput thanked Michael Andrews, WWTP Manager/Engineering Assistant for his assistant in obtaining various proposals and quotations for these capital improvement projects.

INTERNSHIP AT THE AUTHORITY

Dr. Rajput requested the Board for its consideration to approve and authorize Dr. Rajput to explore, interview and offer the following educational internships at the Authority:

1. One Engineering educational intern for a duration of three months at an hourly rate range of \$14 to \$20 depending upon educational qualification (e.g., Freshman Junior or Senior in college) and qualification, without any benefits. Ideal candidates for this educational internship will be those who are pursuing or completing/completed an undergraduate degree program in Civil/Environmental Engineering or related engineering field at any accredited college program. This intern will work under Dr. Rajput's supervision or as designated.

Motion: Mr. Sidoti made a motion, seconded by Mrs. Hammar for the approval of one Engineering educational intern for a duration of three months at an hourly rate range of \$14 to \$20 depending upon educational qualification and without any benefits. The Board of Directors also authorizing Dr. Rajput to hire a candidate that meets the Authority's criteria for this internship and amend the hourly wage if he deems necessary.

Roll Call on the Motion

Mr. Glasson Aye
Mr. Morgan Aye
Mr. Sidoti Aye
Mrs. Hammar Aye
Motion carried unanimously.

2. One educational intern for Administration/Wastewater/Water Treatment for a duration of three months at an hourly rate range of \$12 to \$14 per hour depending upon educational qualification, without any benefits. Ideal candidates for this internship will be those who are pursuing or completing/completed undergraduate degree program. This intern will work under Dr. Rajput's supervision or as designated.

Motion: Mr. Sidoti made a motion, seconded by Mrs. Hammar for the approval of one educational intern for Administration/Wastewater/Water Treatment for a duration of three months at an hourly rate range of \$12 to \$14 per hour depending upon educational qualification and without any benefits. The Board of Directors also authorizing Dr. Rajput to hire a candidate that meets the Authority's criteria for this internship and amend the hourly wage if he deems necessary.

Roll Call on the Motion

Mr. Glasson Aye
Mr. Morgan Aye
Mr. Sidoti Aye
Mrs. Hammar Aye
Motion carried unanimously.

Date Changes for May and June Boardings

Dr. Rajput requested the Board for its consideration to move the May Board meeting from May 25, 2023, to May 17, 2023, and move the June Board Meeting from June 22, 2023, to June 30, 2023.

<u>Motion:</u> Mr. Sidoti made a motion, seconded by Mrs. Hammar to change the May Board Meeting from May 25, 2023, to May 17, 2023, and the June Board meeting from June 22, 2023, to June 30, 2023.

Roll Call on the Motion

Dr. Rajput shared a letter and Certificate that were received from Delaware Valley Property & Liability Trust (DVPLT) with the Board of Directors. Mr. Glasson, Chairman of the Board of Directors, read the letter dated February 1, 2023, from DVPLT which stated that at the annual DVPLT Meeting held on December 8, 2022, the Risk Control Department recognized the Authority as one of the Top 25% of performing members according to a three-year average loss ratio per payroll analysis. In recognition of your achievement, you have been awarded the certificate and thank the Authority for continued commitment to minimizing property and liability losses.

Dr. Rajput reported that we have received a letter from Dr. Johnson, Acting Secretary of Health and Pennsylvania Physician General thanking the Authority for adjusting the fluoride in the drinking water and for providing fluoridated water to improve the health of its residents and that the Authority is helping reach the goal of creating "A Healthy Pennsylvania for All."

<u>Dr. Rajput reported that the following items of his report are for Board information purposes.</u>

ANNUAL WASTELOAD MANAGEMENT REPORT (CHAPTER 94 REPORT)

Dr. Rajput reported that as per the requirements of PADEP, the Annual Waste Load Management Report (PADEP Chapter 94 Report) has been completed and submitted electronically to PADEP for the reporting year of 2022.

The report presents various calculations, projections and maintenance information for the Authority's plant and wastewater collection and conveyance system for the reporting year. We would like to thank Jennifer Smythe, Executive Assistant, for her assistance in compiling and tabulating the voluminous monitoring data and preparing this report.

PRETREATMENT ANNUAL REPORT

Dr. Rajput reported that we have completed and submitted the required Pretreatment Program Annual Report for the reporting year of 2022 electronically to USEPA and PADEP. We would like to thank Jennifer Smythe for her assistance in completing this report as well as assisting me in the pretreatment program.

ANNUAL WATER AUDIT REPORT-DELAWARE RIVER BASIN COMMISSION (DRBC)

Dr. Rajput reported per the requirements of the DRBC, the annual water audit was performed and submitted for our water system for the reporting year of 2022. The percentage of unaccounted water for 2022 was calculated to be approximately 1.04%. We are proactively continuing to investigate the source of the unaccounted water and continuing to investigate and determine options for reducing the amount of unbilled metered water usage, which includes water used at the water and wastewater treatment plants, administration building, wastewater pump stations, fire hydrant flushing and leakage loss. We would like thank Nancy Burnell, Meter Department Supervisor, Colleen Dunn, Finance Manager, Fred Walcott, WTP Superintendent and Mike Hoelzle, WTP Assistant Superintendent for their assistance in compiling and providing required data for this annual Water Audit.

2022 ANNUAL WATER QUALITY DATA

Dr. Rajput in compliance with the requirements of the Safe Drinking Water Act 1996 Amendments relating to the Consumer Confidence Reports, our Water Quality Data has been completed and sent to the Authority's wholesale customers (Bucks County Water and Sewer Authority and Township of Falls Authority) for preparation of their annual Water Quality Report (Consumer Confidence Report—CCR) for the reporting year of 2022. The Authority's drinking water produced is one of the best, which consistently meets or exceeds all water quality standards.

WATER DISTRIBUTION SYSTEM MAINTENANCE PROGRAM: REHABILITATION / REPLACEMENT OF EXISTING WATER MAINS – PHASE 8

Dr. Rajput reported that the water main on Ivy Hill Road has been completed and restoration is well underway.

CONTRACT NO. WWTP-450: FURNISH AND SUPPLY STONE DURING 2023-2024 (PARTICIPATION IN THE 2023-2024 BUCKS COUNTY CONSORTIUM HIGHWAY MATERIALS JOINT BID)

Dr. Rajput reported a Notice of Intent to Award has been issued to Eureka Stone, Inc. (Contractor) along with the required contract documents and forms for their execution.

CONTRACT A-446: FURNISH AND INSTALL R900® GATEWAY FIXED NETWORK DATA COLLECTOR OF NEPTUNE TECHNOLOGY GROUP BY RIO SUPPLY INC. UNDER COSTARS CONTRACT #16-22

Dr. Rajput stated there was a project progress meeting with Rio Supply, Inc. on April 5, 2023. The contractor has completed onsite propagation and pole height determination study. Revised propagation study results were discussed. This study confirmed that a total of 10 collectors will be adequate. Currently is it being determined if permits are required to install the poles. All poles will be installed on Authority sites.

CONTRACT #WTP-418: REHABILITATION OF FILTERS AT WATER TREATMENT PLANT UNDER COSTARS CONTRACT #016-190

Dr. Rajput reported J.P. Smith Contractors, Inc. has completed filter media replacement of the Filter Number 3 and the filter has been placed in operation. The contractor is currently working on Filter No. 4 and is planning to complete coating, painting, and replacement of the media of this filter within a couple of weeks.

CONTRACT #WWTP-401A: FURNISH AND DELIVER COMPLETE ULTRAVIOLET DISINFECTION SYSTEM TO REPLACE EXISTING CHLORINE DISINFECTION SYSTEM UNDER COSTARS CONTRACT #016-123 AT THE WASTEWATER TREATMENT PLANT

Dr. Rajput stated options for installation of an aeration system at the discharge channel of UV system for use if needed to increase dissolved oxygen is currently being reviewed.

CONTRACT #WWTP-401B: INSTALLATION OF ULTRAVIOLET DISINFECTION SYSTEM IN THE CHLORINE CONTACT BASINS AT THE WASTEWATER TREATMENT UNDER COSTARS CONTRACT #016-187

Dr. Rajput reported that a project progress meeting was held with Eastern Environmental Contractors (EEC) on April 13th to discuss the project schedule, construction and installation sequence, outstanding issues and remaining shop drawing submittal review.

WATER AND WASTEWATER SYSTEMS

The average daily drinking water supplied for the month of March 2023 was approximately 5.897 MGD. The monthly average effluent flow from the wastewater treatment plant for the month of March 2023 was approximately 6.87 MGD.

Solicitor's Report – James A Downey III, Esquire

There was an executive session from 6:30 pm. to 7:00 pm. at which potential litigation and final results of another litigation were discussed. At this time there is no active Solicitors Report.

Finance Manager's Report

In Mrs. Dunn's absence, Dr. Rajput reported the Authority is doing well.

Old Business

There was no old business brought before the Board.

New Business

There was no new business.

Public Participation

No public participation.

Adjournment

Mr. Sidoti made a motion, seconded by Mrs. Hammar, to adjourn the board meeting at 7:49 p.m. Motion carried unanimously.

Respectfully submitted by:

Michele Hammar, Secretary